IN THE CLAIMS:

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1	1.	(Currently Amended) A metal halide lamp comprising an arc tube that includes:	
2		a pair of electrode structures, each of which has an electrode at a tip;	
3		a main tube part made of polycrystalline alumina ceramic having magnesium	
4	oxide of 200	ppm or below, and containing a discharge space in which the electrodes of the	
5	electrode structures are located to oppose each other; and		
6		a pair of thin tube parts that connect from the main tube part and are sealed by	
7	respective sea	aling members with the electrode structures inserted therein, wherein	
8		20 \leq WL \leq 50, EL/Di \geq 2.0, and 0.5 \leq G \leq 5.0 are satisfied, where tube wall loading of	
9	the arc tube	is WL(W/cm²), a distance between the electrodes is EL(mm), an inner diameter of	
10	the main tube part is Di(mm), and a crystal grain diameter of the polycrystalline alumina ceramic		
11	is G(μm).		
1	2.	(Original) The metal halide lamp of Claim 1, wherein	
2		the crystal grain diameter G(µm) of the polycrystalline alumina ceramic satisfies	
3	0.5≤G≤1.5.		
1	3.	(Original) The metal halide lamp of Claim 1, wherein	
2		the inner diameter Di(mm) of the main tube part satisfies $2.0 \le Di \le 10.0$.	
1	4.	(Cancelled)	
1	5.	(Original) The metal halide lamp of Claim 1, wherein	
2		the polycrystalline alumina ceramic has transmittance of 94% or more.	

1	0.	(New) A metal name tamp comprising an arc tube that includes.	
2		a pair of electrode structures, each of which has an electrode at a tip;	
3		a main tube part made of polycrystalline alumina ceramic having magnesium	
4	oxide in a ra	nge of 1 ppm to 200 ppm wherein a uniform grain dimension is provided, and	
5	containing a	discharge space in which the electrodes of the electrode structures are located to	
6	oppose each other; and		
7		a pair of thin tube parts that connect from the main tube part and are sealed by	
8	respective sealing members with the electrode structures inserted therein, wherein		
9		$20{\le}WL{\le}50,EL/Di{\ge}2.0,$ and $0.5{\le}G{\le}5.0$ are satisfied, where tube wall loading of	
10	the arc tube is WL(W/cm²), a distance between the electrodes is EL(mm), an inner diameter o		
11	the main tube	part is Di(mm), and a crystal grain diameter of the polycrystalline alumina ceramic	
12	is G(μm).		
1	7.	(New) The metal halide lamp of Claim 6, wherein	
2		the crystal grain diameter G(µm) of the polycrystalline alumina ceramic satisfies	
3	0.5≤G≤1.5.		
1	8.	(New) The metal halide lamp of Claim 6, wherein	
2		the inner diameter Di(mm) of the main tube part satisfies 2.0 $\!\leq\!$ Di $\!\leq\!$ 10.0.	
l	9.	(New) The metal halide lamp of Claim 1, wherein	
2		the polycrystalline alumina ceramic has transmittance of 94% or more.	